



The Static Switch Product Line

SSW 230V-6kVA →

SSW 230 V – 20 kVA →



Description:

The static switch product line is a micro-controller driven state-of-the-art switch between the AC mains and the inverter to provide uninterruptible AC power. After an extremely quick detection of a mains fault, the static switch transfers the load almost without cut off to the redundant AC line. A communication and synchronization bus is responsible for the system performance and the Delta inverters are synchronized to the public AC mains. Modular UPS configurations in ON LINE or OFF LINE mode can be realized in combination with Delta inverters and DC power systems with battery backup.

Features

- Two static switch models 6 kVA and 20 kVA
- 230 V_{rms} / 50 Hz single phase
- ON LINE or OFF LINE mode selection
- High performance AC line quality monitoring
- Quick detection of AC faults
- Configurable switching criteria
- Load transfer of up to 6 kVA or 20 kVA
- Synchronization of the Delta inverter group
- Convection cooled
- Compact and light
- Power connectors on the rear

Specification

General

Product name	SSW 230 V – 6 kVA SSW 230 V – 20 kVA
Safety	EN 60 950, class I
EMI, radiated compliant with	EN 55 022, class B EN 300 386-2
Cooling	Convection cooled

Public AC Input

Voltage range	184 ... 276 V _{rms}
Frequency range	45 - 55 Hz
EMI, conducted compliant with	EN 55022, class B

Inverter AC Input

Voltage range	230 V _{rms} ± 1%
Frequency	50 Hz
EMI, conducted compliant with	EN 55022, class B

AC Output

Voltage, nominal	230 V _{rms}
Frequency, nominal	50 Hz
Maximum power	6 kVA / 20 kVA
cos φ, range	0 .. 1 ind. and cap.
EMI, conducted compliant with	EN 55022, class B
Mechanics	6kVA ; 20kVA
Width, overall	2.8" / 70 mm ; 5.3" / 135 mm
Depth, overall	13.8" / 350 mm ; 13.8" / 350 mm
Height, overall	12.2" / 311 mm ; 12.2" / 7U / 311 mm
Weight	7.7 lb / 3.5 kg ; 18.0 lb / 8.6 kg

Switching Criteria

According to	ETS 300 132-1
Static rms deviation	± 10 %
Dynamic rms deviation	± 15 % for max. 500 ms
Static freq. deviation	± 2Hz
Dynamic freq. deviation	± 2Hz for 5 s maximum

Environment

Operating temperature	0 ... + 50 °C
Relative humidity	95 % max, non condensing

